

CUSTOMER NO. 29863

POWER OF ATTORNEY BY ASSIGNEE

Shimano, Inc. is the Assignee of the invention entitled:
BICYCLE POWER SUPPLY WITH FULL-WAVE AND HALF-WAVE CHARGING ELEMENTS,
the specification of which ____ is attached hereto or XX was filed on July 8, 2003 as
Application No. 10/616,252.

Assignee hereby appoints the following attorney to prosecute this application and transact all
business in the Patent and Trademark Office connected therewith:

JAMES A. DELAND
Reg. No. 31,242

Direct Correspondence to:

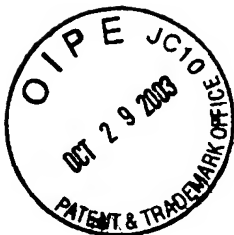
CUSTOMER NO. 29863
JAMES A. DELAND
DELAND LAW OFFICE
P.O. Box 69
Klamath River, CA 96050
(530) 465-2430

SHIMANO, INC.

Date: Oct. 27, 2003

By: Kozo Kitagawa
(Signature)

Name: KOZO KITAGAWA
Title: Director, Patent and Trademark Department



Attorney Docket No. SIC-03-017

CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Applicant: SATOSHI KITAMURA

Application No.: 10/616,252 Filed: July 8, 2003

Entitled: BICYCLE POWER SUPPLY WITH FULL-WAVE AND HALF-WAVE CHARGING ELEMENTS

SHIMANO, INC., a JAPANESE CORPORATION

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is:

1. ☒ the assignee of the entire right, title and interest; or

2. ☐ An assignee of an undivided part interest

in the patent application identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame(s) _____, or for which a copy thereof is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
The document was recorded in the Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

☒ Copies of assignments in the chain of title are attached.

☐ Additional documents in the chain of title are attached:

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

Date: Dec 27, 2003

Name: KOZO KITAGAWA

Title: Director, Patent and Trademark Department

Signature: Kozo Kitagawa

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, SATOSHI KITAMURA
of 2-26-21 Quiichomotomachi, Kitakatsuragi-gun, Nara, Japan
hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the
below identified application for United States Letters Patent:

Title of the Invention: BICYCLE POWER SUPPLY WITH FULL-WAVE AND
HALF-WAVE CHARGING ELEMENTS

Date of execution of Declaration: October 27, 2003

Filing date: July 8, 2003

Serial No.: 10/616,252; and

WHEREAS, Shimano, Inc., a Japanese corporation, located at 77, Oimatsu-cho 3-cho, Sakai-shi, Osaka, Japan, hereinafter referred to as "Assignee," is desirous of acquiring Assignor's interest in the invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer to Assignee, and to Assignee's successors and assigns, all of Assignor's right title and interest in and to the invention and application, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by Assignee as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in Assignee, or in Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

SATOSHI KITAMURA
SATOSHI KITAMURA

Date: 10 / 27 / 2003